

## Project Profile - Utilities



### PROJECT

**Eastbourne Sewage Treatment Works, West Sussex**

### SUMMARY

Repair and protection of underground concrete outfall tank suffering from chemical attack

### PRODUCTS

**Monolevel 844SP**  
**Cemprotect E942**

### CLIENT

Southern Water

### CONTRACTOR

GPB (Mastics) Limited

### BACKGROUND ►

**Southern Water operates 400 sewage treatment works and their facility, located on the outskirts of Eastbourne, was constructed in 1990.**

The reinforced concrete of the underground outfall tank was failing due to acidic and bacterial attack above the water line, necessitating a remedial programme.

### THE SOLUTION ►

In deciding upon a remedial solution, one of the requirements was to provide a high degree of chemical resistance for the concrete with a system which could be applied onto damp surfaces. Effective preparation was carried out with high pressure water following which all surface imperfections and blow holes were filled with **Monolevel 844SP**, a cement-based polymer modified and fibre reinforced fairing coat. **Monolevel 844SP** is both quick to apply and highly economical in use as bag-rubbing technique is used. This creates an ideal surface to support a 2mm coating of **Cemprotect E942**, an advanced epoxy cementitious hybrid coating with excellent resistance to chemicals which would typically threaten the integrity of concrete.



FM 41091  
EMS 597350  
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Quality  
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